

# GDE R&D Board

## Minutes of Meeting #48, 23 March 2007

Participants: Andy, Barry, Bill, Chris, Eckhard, Hitoshi, Marc, Lutz, Olivier, Tom.

### Agenda MAC Meeting April: all

Prior to the RDB meeting we received feedback on the draft agenda which is repeated verbatim below:

- The executive session on April 26 8:00h could be shortened to 15 min
- I am not quite sure what 'R&D results' on Thursday 13:15h contains: is it still S0/S1 or does it contain other R&D (modulator klystron, ...)
- What is covered then by additional R&D?
- There is very little time for the committee to discuss
- We probably should move the closeout by at least one hour or shorten the presentations.
- I would appreciate if we could make the draft more explicit.

The RDB discussed these and suggested changes. A revised agenda including the details on "R&D results" were considered. Topics for presentation could be the gradient, module 6, RF distribution, klystrons and modulators.

The speaker's for the MAC meeting were selected. Tom and Eckhard were volunteered to expand the explanation of the presentations and to provide an updated file.

### **S0/S1: Lutz**

The S0/S1 task force will use the early April meeting to finalize the R&D plans.

Hitoshi reports that the decision on the KEK budget is imminent. The trend points to a reduction of 10% and a flat budget over 2008-9.

The US contributions are likely to continue flat.

On the issue of S0 contributions from DESY the question is closely linked to the definition of the tests. With cavity mass production for the XFEL soon underway much can be learnt on the production process. On the other hand, record gradients are not a research issue for the XFEL. – If the FP7 Preparatory Phase proposal were successful there will be activities addressing specifically the high gradients imbedded in the XFEL production environment. The overall numbers for S0/S1 will assume this synergetic view and include the prospective EC funding.

### **S2: Tom**

The conclusion seems to be that we have resources numbers of reasonable accuracy for the U.S., DESY, KEK, and the U.K. in April, and can include them in our Report to MAC.

### **S3:**

Andy informs the RDB that the report will be delivered before next Friday. The plan will include the broad CsrTA program and will include, e.g. the kickers.

**S4: Marc**

There was some discussion about the completeness of S4 plans. Marc reported that there was considerable work to be done before RDB could sign off, and expressed doubt that this could be finished by MAC, despite the vigorous efforts of Andrej. One critical item is the design of the SC quads. The S4 funding situation is diverse and multi-source.

**UK budget:**

Chris explains that the PPARC budget has just been defined. The budget is not as large as anticipated and likely to be flat through 2009. It has only been decided for one year because of reorganization of science funding in the UK where PPARC and CCLRC will merge into the Science and Technology Facility Council (STFC) in the near future. The program will be reassessed after one year.

The RDB comments have been taken into consideration in the evaluation process. Its impact would have been larger had there been opportunity for feedback and interaction between the RDB and the proposers.

**R&D board meeting during LCWS:**

The RDB will meet Sunday, June 3, 8:30 CEST.

**Organisational matters:**

Next Meeting Mar 30, 2007, 13:00 UTC.

E Elsen